

## CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

What is claimed is:

1. (Original) A method comprising the steps of:

displaying a first image from a first stack of images and a second image from a second stack of images, each stack of images belonging to a different series of image captures for a subject from a particular orientation;

determining a spatial location of each image in the first and second stacks of images;

receiving a selection signal for an image in the first stack of images;

determining a corresponding image in the second stack of images based on the selection signal and the spatial location of the corresponding image; and,

displaying the corresponding image.

2. (Original) The method of claim 1, further comprising the step of receiving the first and second stack of images.

3. (Original) The method of claim 1, where the step of determining the corresponding image further comprising the steps of:

determining a set of anatomical coordinates from the selection signal; and,

locating the corresponding image in the second stack of images, the corresponding image being an image closest to the set of anatomical coordinates.

4. (Original) The method of claim 3, where the step of determining the set of anatomical coordinates comprises the steps of:

determining a set of image coordinates from the selection signal; and,

generating the set of anatomical coordinates from the set of image coordinates.

5. (Original) The method of claim 4, where the set of anatomical coordinates includes a right coordinate, an anterior coordinate, and a superior coordinate, and the set of image coordinates includes a X coordinate, a Y coordinate, and a Z coordinate, and the step of generating the set of anatomical coordinates from the set of image coordinates comprises the steps of:

determining the X and Y coordinates from the selection signal; determining the Z coordinate from an image spatial location of the image; and,

calculating the right, anterior and superior coordinates from the X, Y and Z coordinates.

6. (Original) The method of claim 1, further comprising the step of displaying a corresponding location indicator in the corresponding image.

7. (Original) The method of claim 1, further comprising the steps of:

displaying a third stack of images belonging to another series having another particular orientation;

determining the spatial location of each image in the third stack of images;

determining a second corresponding image in the third stack of images based on the selection signal and the spatial location of the second corresponding image; and,

displaying the second corresponding image.

8. (Currently Amended) A display system comprising:

a display;

a processor coupled to the display; and

a memory coupled to the processor, the memory having computer readable program code stored thereon that, when executed by the processor, will cause the processor to:

display an image from a first series of images for a subject in a first orientation on the display;

receive a selection signal directed to the image;

determine a set of anatomical coordinates from the selection signal;

locate a corresponding image in a second series of images, the corresponding image being an image closest to the set of anatomical coordinates; and,

display a the corresponding image from a the second series of images for the subject in a second orientation on the display based on the selection signal.

9. (Currently Amended) The display system of claim 8, where the memory further has ~~having~~ computer readable program code stored thereon that, when executed by the processor, will cause the processor to receive the first and second series of images.

10. (Cancelled)

11. (Currently Amended) The display system of claim 8 ~~10~~, where the memory further has ~~having~~ computer readable program code stored thereon that, when executed by the processor, will cause the processor to:

determine a set of image coordinates from the selection signal; and,

generate the set of anatomical coordinates from the set of image coordinates.

12. (Previously Presented) The display system of claim 11, where the set of anatomical coordinates includes a right coordinate, a anterior coordinate, and a superior coordinate and the set of image coordinates includes a X coordinate, a Y

coordinate, and a Z coordinate, and the memory further having computer readable program code stored thereon that, when executed by the processor, will cause the processor to:

determining the X and Y coordinates from the selection signal;

determining the Z coordinate from an image spatial location of the image; and,

calculating the right, anterior and superior coordinates from the X, Y and Z coordinates.

13. (Currently Amended) The display system of claim 8, where the memory further has ~~having~~ computer readable program code stored thereon that, when executed by the processor, will cause the processor to display a corresponding location indicator in the corresponding image.

14. (Currently Amended) The display system of claim 8, the memory further has ~~having~~ computer readable program code stored thereon that, when executed by the processor, will cause the processor to display a second corresponding image from a third series of images for the subject in a third orientation on the display based on the selection signal.

15. (Previously Presented) A computer readable medium having a computer readable program code contained therein, the computer readable program code comprising:

computer readable code for displaying a first and second stacks of images, each stack of images belonging to a different series of image for a subject from a particular orientation;

computer readable code for determining a spatial location of each image in the first and second stacks of images;

computer readable code for receiving a selection signal for an image in the first stack of images;

computer readable code for determining a corresponding image in the second stack of images based on the selection signal and the spatial location of the corresponding image; and,

computer readable code for displaying the corresponding image.

16. (Original) An apparatus comprising:

means for displaying a first image from a first stack of images and a second image from a second stack of images, each stack of images belonging to a different series of image captures for a subject from a particular orientation;

means for determining a spatial location of each image in the first and second stacks of images;

means for receiving a selection signal for an image in the first stack of images;

means for determining a corresponding image in the second stack of images based on the selection signal and the spatial location of the corresponding image; and,

means for displaying the corresponding image.

17. (Original) The apparatus of claim 16, further comprising means for receiving the first and second stack of images.

18. (Original) The apparatus of claim 16, where the means for determining the corresponding image comprises:

means for determining a set of anatomical coordinates from the selection signal; and,

means for locating the corresponding image in the second stack of images, the corresponding image being an image closest to the set of anatomical coordinates.

19. (Original) The apparatus of claim 18, where the means for determining the set of anatomical coordinates comprises:

means for determining a set of image coordinates from the selection signal; and,

means for generating the set of anatomical coordinates from the set of image coordinates.

20. (Original) The apparatus of claim 19, where the set of anatomical coordinates includes a right coordinate, an anterior coordinate, and a superior coordinate, and the set of image

coordinates includes a X coordinate, a Y coordinate, and a Z coordinate, and the means for generating the set of anatomical coordinates from the set of image coordinates comprises:

means for determining the X and Y coordinates from the selection signal;

means for determining the Z coordinate from an image spatial location of the image; and,

means for calculating the right, anterior and superior coordinates from the X, Y and Z coordinates.

21. (Original) The apparatus of claim 16, further comprising means for displaying a corresponding location indicator in the corresponding image.

22. (Original) The apparatus of claim 16, further comprising:

means for displaying a third stack of images belonging to another series having another particular orientation;

means for determining the spatial location of each image in the third stack of images;

means for determining a second corresponding image in the third stack of images based on the selection signal and the spatial location of the second corresponding image; and,

means for displaying the second corresponding image.

23. (Cancelled)



24. (Previously Presented) The computer readable medium of claim 15, the computer readable program code further comprising computer readable code for receiving the first and second stack of images.

25. (Previously Presented) The computer readable medium of claim 15, where the computer readable program code for determining the corresponding image further comprising:

computer readable code for determining a set of anatomical coordinates from the selection signal; and,

computer readable code for locating the corresponding image in the second stack of images, the corresponding image being an image closest to the set of anatomical coordinates.--

26. (Previously Presented) The computer readable medium of claim 25, where the computer readable program code for determining the set of anatomical coordinates comprises:

computer readable code for determining a set of image coordinates from the selection signal; and,

computer readable code for generating the set of anatomical coordinates from the set of image coordinates.

27. (Previously Presented) The computer readable medium of claim 26, where the set of anatomical coordinates includes a right coordinate, an anterior coordinate, and a superior coordinate, and the set of image coordinates includes a X

coordinate, a Y coordinate, and a Z coordinate, and the computer readable program code for generating the set of anatomical coordinates from the set of image coordinates comprises:

computer readable program code for determining the X and Y coordinates from the selection signal;

determining the Z coordinate from an image spatial location of the image; and,

computer readable program code for calculating the right, anterior and superior coordinates from the X, Y and Z coordinates.

28. (Previously Presented) The computer readable medium of claim 15, further comprising computer readable program code for displaying a corresponding location indicator in the corresponding image.

29. (Previously Presented) The computer readable medium of claim 15, further comprising:

computer readable program code for displaying a third stack of images belonging to another series having another particular orientation;

computer readable program code for determining the spatial location of each image in the third stack of images;

computer readable program code for determining a second corresponding image in the third stack of images based on the

selection signal and the spatial location of the second  
corresponding image; and,

computer readable program code for displaying the  
second corresponding image.